

# Results, 1989 ARRL 10-Meter Contest

"I've never had so much fun jammed into one weekend!"—N6TCZ

By Billy Lunt, KR1R and Warren C. Stankiewicz, NF1J  
Contest Manager Assistant Contest Manager

This year's 10-Meter Contest, held on the weekend of December 9-10, 1989, was fantastic, with phenomenal band conditions. You couldn't have asked for more. We probably won't see the likes of conditions like these until the next sunspot cycle. Fred, KS7T, sums it up with: "When 10-meters is hot, it's really hot! You sure can tell that the sunspots were back for this one!" David, W0YZZ, says, "...can't remember having more fun in a contest. DX was everywhere!" Frank, WSAT, claims, "The band was so good, I didn't need a rotator." Bill, W9HE, notes that "the signals were pounding in from all directions!" "Even with just a dipole, DX was like picking apples off of a tree," comments Dave, KC4AXN.

With such good conditions, it is easy to see why scores were up dramatically from last year. Almost every entry category showed an increase in overall scores. Alan, 9J2AL, reports, "This year's score represents an improvement over last year's score by a factor of three." Bob, V31MZ, claims that his "second-place world score for 1987 was reached by supper time on Saturday." Paul, N5OVV, tripled his score this year and Linda, KA9CHM, boasts, "I quadrupled my score from last year." Rob, VE4GV, wonders, "Does it get any better than this?"

Even though things seemed to be all roses, Mother Nature spread a few surprises around. Teijo, OH7NRW, reports that he had to QRT because of thunderstorms. Philip, KC4UC, was surprised by an early snowstorm in Georgia. Allan, N9ISN, "wished that the hot band would thaw my frozen rotator." A surprise ice storm hit North Carolina and put a damper on some of the NC contestants' efforts. Nobby, KC4DBY, explains, "A storm iced up my new beam, so I had to use a dipole for most of the contest." Dorothy, N2DEM, remarks that the ice storm "froze up the beam and a one-inch coating of ice on the long wire didn't help either!" Bruce, KA9SOX, also from North Carolina, had to run QRP for most of the contest because of ice on his antennas.

Participation in the 10-Meter Contest

seems to be holding at a high level partly because of the vast numbers of Novices and Technicians using their privileges on both CW and phone. Roger, G3SXW, "was impressed by the contesting skills of the Novices and Technicians; they must have some good teachers." Keep up the good work, Elmers. Brian, VE3GRA, says, "There were lots of participants, lots of countries, lots of fun." Pete, KN0E, notes, "There was an incredible amount of activity." HQ received a total of 1770 log entries for this year's contest: W/VE—690; DX—951; checklogs—129. Of all the entry categories, phone-only was the most popular with 638 entries. CW-only was the second-most-popular category with 495, followed by mixed-mode with 328 and multioperator with 180.

Jeff, KQ7I, thinks "the mixed-mode category ought to be renamed the 'iron man' category." It surely keeps you hop-

ping and spinning the VFO between the CW and phone subbands, if you want to be competitive in the mixed-mode category. K6LL did just that to the tune of 2.1 million points to win among the W/VEs; Dave moved up from fourth place in 1988. Ed, W0YK, advanced from ninth place last year to second place this year, scoring 1.7 million points. Last year's fifth-place finisher, W5WMU (KZ5D, op), finished in third place this year, scoring 1.6 million points. In the DX mixed-mode category, 4U1UN (K2GM, op) edged out DL6FBL by 22k points for first place. Ben, DL6FBL, moved up the ladder one rung from third place last year. KN0E/KH3 finished in third place, scoring 1.6 million points.

KING (KI1G, op) remained phone-only champ by bettering his 1988 score by 154k points. Bob, K3EST, pushed up his last year's score by 54k points to secure second

## Top Ten—W/VE

Mixed Mode		Phone		CW	
Call	Score	Call	Score	Call	Score
K6LL	2,115,376	K1NG	1,088,850	W00G	1,145,424
W0YK	1,738,144	(KI1G,op)		WB2Q	1,099,000
W5WMU	1,663,944	K3EST	1,010,070	K2ZS	1,056,760
(KZ5D,op)	1,600,096	K4XS	953,304	KE3Q	1,028,596
V4ANC	1,528,120	W9RE	918,390	K4JP	(KM9P,op)
WL7E	1,443,536	KL7RA	913,640	972,984	A17B
K3ZO	1,414,776	K7RI	852,776	KY1H	AE6E
W1FEA	1,127,282	WB1GQR	763,392	K1DG	KR0B
KQ7I	1,111,136	(WB2JSJ,op)	760,436	(KD2SX,op)	931,840
WB9YXY	1,090,792	KK9A	768,340	N4AR	N2NU
		N0XA	740,888	K7QQ	889,952
		NB1H		NL7GP	822,000
				K1XA	805,088
					802,880

## Top Ten—DX

Mixed Mode		Phone		CW	
Call	Score	Call	Score	Call	Score
4U1UN	1,745,700	VP2EXX	1,116,448	VS6BG	807,408
(K2GM,op)	1,723,800	F5SR	1,042,888	4N2E	(YU2RA,op)
DL6FBL	1,641,624	ZX5C	808,120	JP1DMX/H18	730,968
KN0E/KH3	1,411,584	(PY5CC,op)	786,880	G3SXW	715,904
UQ1GW	1,261,950	GW4BLE	784,238	OK1ADS	694,144
J4BRWU	1,012,512	HC1OT	782,544	G3TXF	672,500
JR3NZC	1,009,970	LU1BR	709,290	UP2RHF	631,296
F6EEM	982,008	NP4CC	690,490	DLOU	578,592
JA9YBA	(JA9-10150,op)	T11W	670,798	(DL4AAE,op)	576,072
V31MZ	904,860	F6CTT		F6FYA	559,448
JO1DFG/8	895,272	CT500C		JE1CKA	558,900
		(CT1BOP,op)	670,536		

## Division Leaders

Division	Mixed Mode	Phone	CW	Multioperator
Atlantic	K3ZO	AC3T (KA3B,op)	KZ2S	N2NU
Central	WB9YXY	W9RE	KB9S	KR9U
Dakota	WB8O	K0TPF	WW8J	KR9B
Delta	W5WMU (KZ5D,op)	K5FUV	W4XJ	WD5JZL
Great Lakes	KG7Z	KW8N (NZ4K,op)	N4AR	N8CXX
Hudson	N1CC	N2BJ	WB2Q	K2XR
Midwest	KV0I	N0XA	WO0G	K8GND
New England	WA2TBA	K1NG (K1G,op)	K1DG (KD2SX,op)	KY1H
Northwestern	WL7E	KL7RA	K7QQ	W7XR
Pacific	W1FEA	K3EST	N6TV	NF7P
Rocky Mountain	W0YK	K0CS	AC0S	AA5B
Roanoke	AA4NC	KX3Q	WB8HDD	N8DG
Southeastern	K4MF	K4XS	K4PD (KM9P,op)	N4EEB
Southwestern	K6LL	K6XT (KI6ZH,op)	WB6HEU	AE6E
West Gulf	K5QHD (KY5N,op)	WA5IYX	K5NW	NR5M
Canada	VE5UF	VE4GV	VO1MP	VE3XO

## DX Continental Leaders

Continent	Mixed Mode	Phone	CW	Multioperator
Africa	CN8FC	EA8AKN	9J2AL	—
Asia	JA8RWU	JA7YAA (JJ3CNL,op)	VS6BG	JA2YKA
Europe	DL6FB	GW4BLE	4N2E (YU2RA,op)	IP4T
North America	4U1UN (K2GM,op)	VP2EXX	JP1DMX/HI8	XE2FU
Oceania	KN8E/KH3	YJ8M	KH2D	VK2MAG
South America	LO5E (LU5EIC,op)	ZX5C (PY5CC,op)	OA4ZV	LQ5A

place again for 1989. Bill, K4XS, climbed one place in the score standings, finishing third this year. Paul, VP2EXX, scored 1.1 million points to win first-place DX phone-only. Jim, FS5R, was close behind in second place with 1.0 million points and ZX5C (PY5CC, op) was third with 808k points.

In the CW-only category, last year's third-place finisher, Dave, WO0G, won first place for 1989 among the W/VEs. Steven, WB2Q, scored one million points finishing in second-place W/VE. John, KZ2S, moved up from sixth place in 1988 to third place this year. Brett, VS6BG, scored 807k points to finish in first place in the DX CW-only category. 4N2E (YU2RA, op) finished in second place, scoring 730k points and JP1DMX/HI8 finished third with 715k points.

The crew at NR5M scored 2.3 million points to take top honors in the W/VE multioperator category. The gang at AA5B wasn't far behind, finishing in second place with 2.1 million points. W7XR and friends changed positions from fifth place last year to third place in 1989. The multiop group at LQ5A topped the DX multioperator category, scoring 2.2 million points. The gang at XE2FU gave it an all-out try and scored 2.1 million points for a respectable second-place finish. IP4T finished third with 1.9 million points.

Gary, KD7E, can't wait for a chance to compete in next year's contest: "I'm already looking forward to '90!" If you aren't ready, use the nice weather we're having now and get those antennas ready for the next ARRL 10-Meter Contest, December 8-9, 1990. Special thanks to Contest Assistant Mark R. Burke, KA1MIS, for his help in preparing the results.

## SOAPBOX

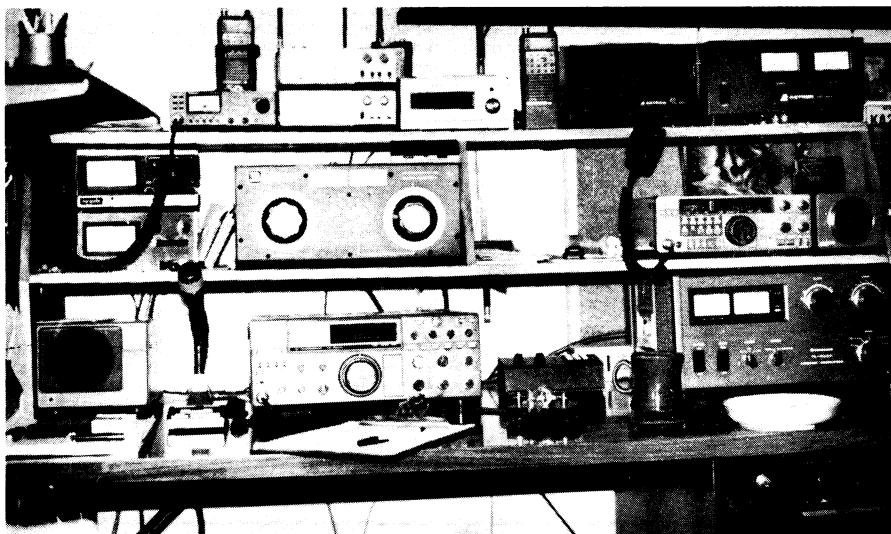
I didn't hear any KL7s or KH6s. It was great having VS6BG pop through a pileup of Europeans (CN8FC). Thanks to the great conditions, I was able

to make 200 QSOs with a two-meter-long L-type ground-plane antenna (JJ1HTT). I enjoyed the pileups, but had a hard time trying to work the African stations (JA7YAA). This was the first time I worked over 500 stations in a contest! (JE7DOT). It was another FB 10-meter contest (7J2AAF). We have no CQ-calling machine and no preamp, but we did our best (JA2YKA). We were very surprised by our score (JA6YBR). Three years ago I took part in this contest during a period of weak propagation: this year I took great pleasure in the contest and in the greater participation (CT1BOP). Whether I'm operating back home in Mississippi or here in West Germany, it seems we're as rare as DX itself (DA1KG). What a nice contest—you can work all the US and a lot of interesting DX! It's a lot of fun in this part of the sunspot cycle (DL4AAE). This was a great one! Everything was possible, including making a good amount of QSOs during the day and then going out with my girlfriend in the evening! Let's hope that next year's competition will have such good conditions (DL2OBF). The propagation was horrible (EC3CSK). Contacts were hard for me to make with my indoor antenna (EA4BV). This was my first contest (EC4CVD). It was a good contest with good propagation (EA6SK). Propagation may have been weaker than in 1988 (F6EEM).

Propagation was relatively poor (TV6MHZ). Beautiful! (F1LBL). Alas, what a problem with TVI! (F6FYP). I was a single operator, but eight friends helped me erect my tower. Propagation was excellent, but I had S4 QRN on the first day (F6FYA). The amp kept the room warm during the times I was on phone (G0JFX). What a contest! But where were Alaska and Hawaii? I'll definitely be back next year (G4OJH). Right in the middle of the general pandemonium, a US station called me using one watt. He was 559 and had a good signal—maybe we should all go QRP! (G4MET). This year I used a three-element monoband Yagi instead of a sloping dipole. The difference was amazing! The station performed faultlessly, but the human element wasn't as reliable. Saturday morning I was struck down with the flu and managed just 12 hours of air time. I like challenge, but operating with a fever of 102 wasn't what I had in mind (G4ARI). Once again, it was a thoroughly enjoyable contest (G4WVX). It was nice to see 10 in such good shape—let's hope it lasts (G3WRR). This year's contest cost me a small fortune as my XYL took the opportunity to go Christmas shopping! It was a great contest and there seemed to be more competition this year (GM4GXR). I must get a better antenna up for next year, but 139 multipliers were not too bad for a vertical antenna (GM0ECO). There were many excellent operators (GM4ELV). What a difference another year makes. I made another 200 contacts and 80k (GW4BLE). I enjoyed it very much! (HA1AG). Conditions were super (HA5LZ). I worked 11 new states (HB9CVO). The pileup with the Ws was just the best fun we've had at the station in years (HB9ZZ). It was another fine contest, as usual (I1POR). It was a nice contest, with FB conditions! Too bad I could only spend a few hours behind the rig. (LA9DFA). In my area the band opened late and closed early to the US, but it was fine while it lasted (LA2AAD). As usual, I missed the difficult states and many of the countries I usually work were silent (LA6FC). I really enjoyed the contest. It would have been perfect if the beam hadn't frozen, but fortunately it was stuck toward stateside (OH1AA). I am happy so many good DX stations took part in the contest (OH1BOI). I only missed five states. I'll try again next year! (OH3JF). The FB conditions on Sunday produced more phone QSOs and multipliers than last year (OH1AF). During the first day, the barn of the farmer next door burned to the ground (ON4AAQ). We contested for fun! (ON5SK1). Nice conditions—but the quad wouldn't come down from the flagstaff for some necessary repairs on Sunday, so we lost a bit of valuable time. See you next year with a mast instead (OZ1ADL). I heard only one Technician and no Novices (OZ1INN). This year's contest reminded me of 10 years ago! (PA0INA). There was very little short skip in



The "Baja Banditos" at XE2UZL celebrate after their 4th place DX Multioperator finish. Pictured (l to r) are WB6OKK, K9VV, XE2UZL, K9JYO and NI6W.

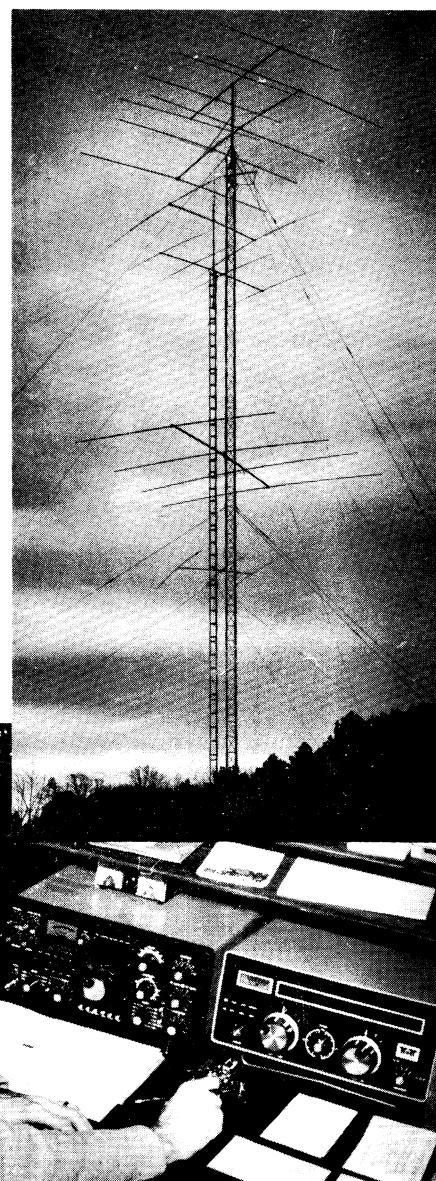


John, KD2UF, used this attractive station to finish second in Northern New Jersey.

Europe, but DX conditions were good even to the West Coast (PA3BNT). There was a nice opening to the West Coast the second evening (UR2RHF). I liked the contest very much and enjoyed working out with my new 200-watt amp (UA3DPX). I love 10 meters! (UC2AB). There were very nice conditions on 10 this year (LY1BZB). I couldn't operate the contest from the very beginning, but now I shall always take part in this contest—I enjoyed it very much! (UB5FBG). My work took up most of my time this year; hopefully next year I'll be able to spend all my time in the contest! (Y2D0O). It was a dream! (Y05BQ). I had a lot of trouble with TVI and CATVI, so I had to run in the pile-ups with only 40 watts (YU3BU). What happened to all the JAs we worked before and after the contest? This was my second effort from C6 and my first multi-op. Conditions did not seem as good as last year. I worked almost the same number of QSOs last year with less operating time as a single operator. We also used a beam this year versus a vertical last year! We were all set up and ready to blast the Bahamas when we discovered NO4J/C6A had arrived and set up his station about 200 yards from ours! Fortunately, we alternated phone and CW and kept interference to a minimum. Actually, it was fun having the guys from the North Florida DX Association around, even if we did beat them! (C6AFP). Conditions were not so good—I wished I could have worked more (JP1DMX). I know now that I love contesting... I learned a lot and had a great experience. It's you against the world and everything depends on your ability and decisions (TI2IY). I rushed back from a friend's house Sunday night thinking I had several hours left, but forgot that 2400 UTC is 8PM here! (G6QQ). I was sorry to see 1989 go, it was a great year for contesting (VP2EXX). This is my first time as a contesteer (VP5JM). Notable by absence were long-path openings (to anywhere) and Asians east of 4X4 and south of UA9 and UA0. African activity was at a low ebb as well (VP5A). Wow! It was a blast to be at the business end of a pileup (WB1EPO). I enjoyed the contest, but am sorry I didn't have more time to put into it (KG6DX). I worked only about half the previous year's score (VK4KW). Where did all those Texas stations come from? (W1HUE). It was great fun as usual, the conditions were fantastic this year (KQ1V). This was my first contest and I had a blast! (N1GYV). This was my first effort—no computer, no beam, but a lot of fun! (WA1IML). The best computer software is useless without sunspots—and they were there in abundance! Viva el Sol! (WA2TBA). This is my first contest effort after almost 20 years of being a ham. I was somewhat disappointed by my results, but hey, 25 watts and a dipole? I guess it wasn't too bad (WB1GUY). I spent nowhere near the full time in the contest, but it was great. I especially enjoyed working backscatter. I'll be back next year and hopefully for a few more sunspot cycles (N2FF). I'm glad the rig is next to the boiler, as I needed all the heat I could get

(N2DNY). This is one of the few times I can work a rare DX station and his QSL manager on the same band. I felt like I had to stay after school and write "599" 1000 times on the blackboard when rewriting the log sheets (WB2AMU). Overall, conditions were much better than last year's; now if we can only cure the TVI problem! (N2NU). Murphy paid us a visit and stayed all weekend. One hour into the contest our computer crashed and the coax switch froze (KE2OI). I wish I'd known what the AGC button was for on the first day. It was lots of fun to drag out the weak ones from the big signals (N2IZJ). I worked XT2KG the day after the contest (N2JNZ). I burned out two ceramic-disk capacitors in my tuner. It took three days to air out the shack (KW2J). The most exciting moment for me was my long-feared move to CW operation. After one hour, my CW rate had risen to heights I had only imagined in dreams. It was such a thrill for me that I intend to operate CW-only in 1990! (WB3KTZ). I had a great time with my "monster" station set-up: 50 watts into an attic dipole (N1DKQ). I'm 80 years old and enjoy the contest more than ever. I've been a ham since 1929 and can't make as many contacts as I once did, but the pleasure is still there (W3GPR). I kept sharp by running out into the snow to rotate my antenna by rope (KE3Q). My antenna was a "rotatable" sloper. I went outside during the day and moved it around the yard. It worked great! (KN5H). It was nice to use computer logging for a part-time effort (WB2EKK). I wish I'd had more operating time (N4UQD). Why does it always seem that you've already made other plans the same weekend of a hot contest? (AA4LR). I made a lot of great back-

scatter contacts this year (KB4ZA). I wasn't allowed to put a beam in my new QTH, but my boss allowed me to put up a temporary beam at the plant for the weekend (N1FZI). I worked 27 new countries (KB4MIL). I love this contest! (WQ5L). There was good backscatter the first night and some fantastic Sporadic E the second night (K4XS). Where was Nebraska? (N4MAD). Since Hurricane Hugo left me with only a 10-meter beam, this was a great way to exercise it! (K0EJ). I've been a Technician for 17 years and worked five countries in that time—I can't believe I worked 35 countries in two days (WB4UHI). I never heard the band this crowded before (KD4Q). Where are all these Novices and Technicians being churned out? (WD4AHZ). The 10-meter contest is a chimera, its strength and character dictated by the seasons of the solar cycle (W4XJ). Fourteen new states and 18 countries isn't a bad weekend (KA5HKR). I had to miss my boss's party in order to make this one (N4DLA). I would have operated more hours, but it was my birthday and the XYL decided I should take her out to dinner (N6TIQ). I didn't realize I had worked all states until it was over (NF6S). I never had so much fun jammed into one weekend (N6TCZ). There was no short skip available, but worked the close-in stations on backscatter when activity was low (WB6NFO). This was my first CW-only effort and my best 10-meter entry ever (WB6HEU). There were great openings around the country and around the



A nice view of Will's (AA4NC) station and antenna farm in North Carolina.

world. I never would have expected to work 103 multipliers in only seven hours (W6VLD). Outside of the day-old coffee, the soggy sandwiches, the lack of sleep and cabin fever, it was a great contest (N6GC). Besides all the fun, I picked up six new countries (W6BKY). It's a bit hard to use a fire for heat and cooking and do a contest at the same time while dressed in longjohns and down jackets (N6IFW). My two-year-old girl pulled the paddle away on my very first contact. Moral: Never have kids around while working a contest! (N6VHN). I had a good time and pushed myself to the limit! I didn't think I could make so many contacts (KA7NOC). I discovered 30 minutes before the end of the contest that the vertical dipole I'd cut the night before was two feet short. I managed to fix it at 2359Z! (NX7U). It was another exciting competition (K7VIT). Contests are fun! Being a new ham, and this being my first contest, I am impressed! (N7JTS). My shack just wasn't quite warm enough. I was so cold that I had to increase the keyer speed to keep up with how hard I was shaking! (WA7HQD). I was able to put in a full

effort for once (N7LOX). Real-time software is the only way to go (K7RJ). I have a poor QTH but still enjoyed myself (KB7AIL). What a kick—Liberia and Morocco calling me toward end of contest (WC7S). It was like being on a DXpedition without leaving your shack (K8SYE). I confess to being greedy—I never can get enough points (N8ICW). It was exciting to be in a contest where there was an incentive for higher-class ops to work in the Novice portion of the band (KB8HZE). These were the best conditions yet. I had last year's score beat on the first day (K8LJQ). Even though I didn't score very high, I am now addicted to contesting (K9DIY). I spent twice as much time as I had planned to spend in the contest, but I had so much fun on Saturday, I rearranged my Sunday plans. I missed VO2 for a W/VE sweep, but made up for it with lots of choice DX! (N0BSH). I worked a couple of new countries and learned a lot about making scatter contacts (N9ICH). This was my first concerted effort in a contest. I had a great time and beat my friend's score! (KE9NB). This was my best score, my best number of QSOs and my best rate ever

(NA9J). It's always amazing to see what can be done on 10 meters with low power and a chunk of wire when the sunspots cooperate (NE9G). The diversity and number of stations on the air was impressive (KA1OWM). I counted at least three propagation modes over the weekend (K0CS). I had a lot of fun working the contest this year (WB0YJT). Except for fixing a short in my vertical in 30-mi/h north winds, it was a lot of fun (N0IZE). Conditions were quite good and there was lots of activity from all continents except Africa (W0AV). I enjoyed my first contest and did it with two dipoles (KB0DZN). The band was great—I had a couple of 250-QSO hours! (WB0O). Where was Maine? (VO1MP). These were probably the best operating conditions I've encountered since getting into contests (VE3NBE). I had to give up four hours on Saturday to attend the annual company Christmas party, but my score was still up 50% from 1988 (VE5UF). Next year I'll put up my five-element log periodic and do even better (VE5AAD). My score reflects my broken rotator and Christmas shopping (VE6NAO).

## Scores

DX scores are listed by continent and country according to the ARRL DXCC list. US and Canadian scores are listed by call area and ARRL/CRR section. Each line score lists call sign, score, QSOs, multipliers and entry class (A = Mixed Mode; B = Phone only; C = CW only; D = Multioperator). The /T after a call sign indicates a Technician entry and the /N a Novice entry.



### DX

#### Africa

##### CN8FC



##### CN8FC

##### CT3AJ

##### EABAKN

##### EABBIK

##### EABDM

##### EABBTY

##### EABAQN

##### EABAB

##### TU2UI

##### ZS6HO

##### ZS3UN/0H7NFW

##### 5Z4BH

##### 9U2AL

#### Asia

##### HL9UTT

##### HZ1HZ

##### HZ1AB (DU1CSU,op)

##### JABRWU

##### JRSN2C

##### JAYBVA (JA0-1015,op)

##### JO1DFG/8

##### JH2BCN

##### JM1NKT

##### JABDMV

##### JN1VOC

##### JHSPE

##### JRAGPA

##### JE0UAR

##### JAO2U

##### JASIP

##### JADZHL

##### JASCDL

##### JAH1BU

##### JH9CAT

##### JASUWBS

##### JH1HTT

##### JM1ACQ

##### JAZODS

##### JAMD00

##### JG7JMO

##### JAY7AA (JJ3CNL,op)

##### JF1SEK

##### JHM4MT

##### JH2WYNN

##### JH1YDT

##### JAE8BF

##### JED7OT

##### JH4XKW

##### JH1UUT

##### JAB2BNN

##### JE2IFM

##### JASLDH

##### JABRIUE

##### JAT7BEW

##### JA1PUK

##### JH8FTJ

##### JKD0GX

##### JAE8FT

##### JA1MYW

##### JR8BOT

##### JA3CXN

##### JF2GYH

##### JP1SRG

##### JG3KIV

##### JA3BBG

JA7VSO 17,784- 156- 57-B  
JR7LVK 17,270- 157- 55-B  
JA3FJP 16,430- 155- 53-B  
JR1GMJ 16,120- 130- 62-B  
JA0DU 15,120- 146- 54-B  
JA1ASO 14,280- 119- 60-B  
JA1AT 12,420- 115- 68-B  
JR8GQP 10,340- 110- 47-B  
JL1IMI 9,450- 105- 45-B  
JH1CML 8,880- 111- 40-B  
JA1FO 6,840- 76- 45-B  
JH1RMH 5,828- 62- 47-B  
JH2WHS 5,616- 79- 36-B  
JA3SSB 4,056- 52- 39-B  
JR1MRG 2,250- 45- 25-B  
JA1IVW 1,482- 39- 19-B  
JA1VW 1,864- 27- 16-B  
JL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

JA0YAK (JS1PTU,JK2PVL,JR9s EMM,  
KPO,JE0DU,JMVYG,JR8s  
FQM,HYT,ops) 168,910- 533- 127-D  
JY9SR 170,800- 499- 122-A  
UL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

JA0YAK (JS1PTU,JK2PVL,JR9s EMM,  
KPO,JE0DU,JMVYG,JR8s  
FQM,HYT,ops) 168,910- 533- 127-D  
JY9SR 170,800- 499- 122-A  
UL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

JA0YAK (JS1PTU,JK2PVL,JR9s EMM,  
KPO,JE0DU,JMVYG,JR8s  
FQM,HYT,ops) 168,910- 533- 127-D  
JY9SR 170,800- 499- 122-A  
UL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

JA0YAK (JS1PTU,JK2PVL,JR9s EMM,  
KPO,JE0DU,JMVYG,JR8s  
FQM,HYT,ops) 168,910- 533- 127-D  
JY9SR 170,800- 499- 122-A  
UL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

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UL7ACI 371,968- 1453- 128-A  
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4X4VF 7,238- 77- 47-B

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4X4VF 7,238- 77- 47-B

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4X4VF 7,238- 77- 47-B

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FQM,HYT,ops) 168,910- 533- 127-D  
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4X4VF 7,238- 77- 47-B

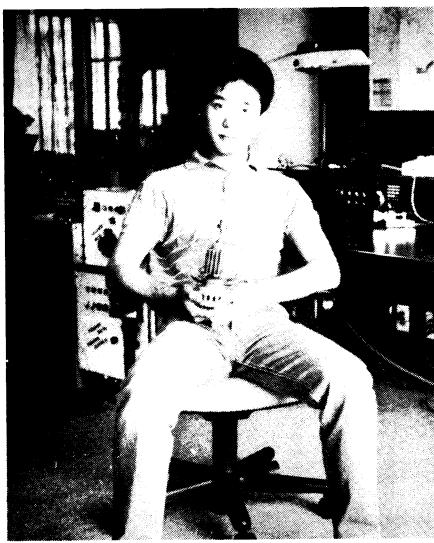
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4X4VF 7,238- 77- 47-B

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VS8BG 807,406- 1602- 126-C  
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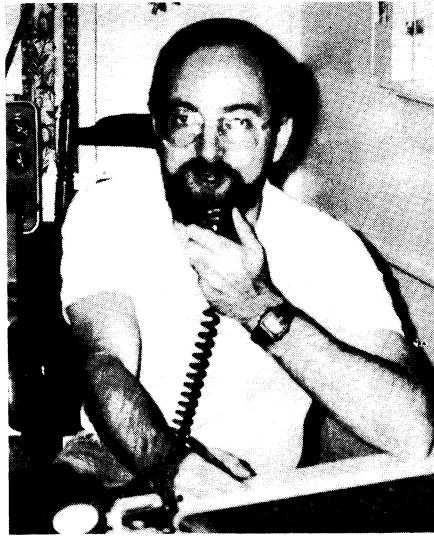
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JY9SR 170,800- 499- 122-A  
UL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

JA0YAK (JS1PTU,JK2PVL,JR9s EMM,  
KPO,JE0DU,JMVYG,JR8s  
FQM,HYT,ops) 168,910- 533- 127-D  
JY9SR 170,800- 499- 122-A  
UL7ACI 371,968- 1453- 128-A  
VS8BG 807,406- 1602- 126-C  
VU2CR 41,288- 397- 52-B  
4X4VF 7,238- 77- 47-B

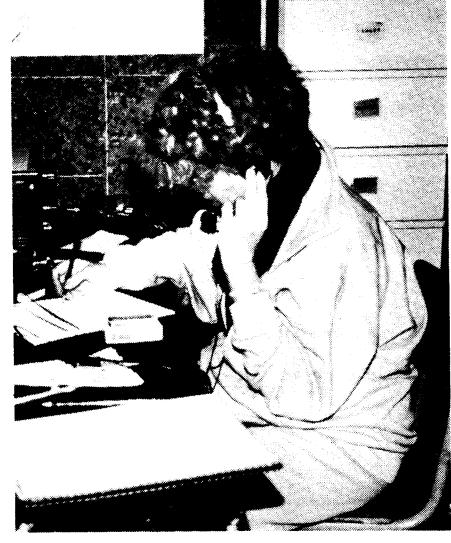
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KPO,JE0DU,JMVYG,JR8s  
FQM,HYT,ops) 168,910- 533- 127-D  
JY9SR 170,8



Yoshiyuki, JH4NMT, takes a break from his phone-only effort.



Paul, WB0WII, hands out another phone contact from Iowa.



Florence, F6FYP, logs another one of her 605 phone QSOs.

LA4YW	265,320-	793- 110-A	OK2BBQ	14,980-	107- 35-C	SM7DUR	2,484- 46- 27-B	UC2AB	86,860- 291- 101-A	TE5T	298,776- 633- 118-C
LA1B (LA9DAA,op)	273,152-	1067- 128-B	OK1FFC	7,980-	57- 35-C	SM6FM	1,334- 29- 23-B	UC2OAV	85,140- 495- 86-B	G6QQV21	71,276- 212- 103-A
	239,358-	973- 123-B	OK3CMF	5,616-	55- 26-C	SM6PVB	850- 25- 17-B	UC2ADX	72,520- 245- 74-C	V31MZ	904,860- 1621- 198-A
LA9GX	190,500-	750- 127-B	OK1FTM	4,480-	57- 20-C	SM6RJU	840- 35- 12-B	RO4CA	215,020- 415- 130-A	VP2EXX	1,116,448- 4016- 139-B
LA9HW	98,800-	494- 100-B	OK3CX5	448-	14- 8-C	SM6BZE	78,408- 241- 81-C	LY2BH	135,936- 417- 96-A	VP5JM	383,522- 1697- 113-B
LA4GY	30,020-	195- 77-B	OK2BOU	144-	6- 6-C	SM5RE	69,000- 250- 247-C	LY2BN	89,440- 301- 86-A	VP5A (VP5s VAE,VAF,VRB,VZ2,ops)	597,480- 2298- 130-D
LA6JX	23,680-	185- 64-B	OK1ORA (OK1s AYD,DJO,JOE,ops)	494,690-	904- 191-D	SM3DXC	56,000- 250- 56-C	LY3BH	258,214- 1067- 121-B	XE2WHW	25,074- 199- 63-B
LA9DFA	18,908-	163- 58-B	OK2KRT (+ops)	101,430-	278- 115-D	SM6BVQ	52,800- 300- 88-C	LY3PBG	8,978- 102- 44-B	XE2FU (+XE2AAM,ABN,GL,KB, K5LZO,NT5D,WB5s N,RUS)	2,177,452- 3152- 259-D
LA2AD	11,392-	89- 64-B	OK2KMR (+ops)	4,284-	63- 34-D	SM6BDS	24,120- 131- 45-C	LY2BEJ	222,976- 535- 104-C	XE2UZL (+XE2GFL,N1W6,WB6OKK, K9VV)	1,887,444- 2926- 232-D
LA3IW	5,880-	70- 42-B	OK2KMR (+ops)	4,284-	63- 34-D	SM5BDY	11,008- 128- 129-C	LY2BLW	79,040- 260- 76-C	4U1UN (K2GM,op)	1,745,700- 3020- 230-A
LA3JT	1,792-	32- 28-B	ON4AMT	679,690-	2035- 167-B	SM4KL	3,696- 42- 22-C	LY2BPO	25,756- 139- 47-C	WB1EPO/6Y5	25,576- 278- 46-B
LA4DM	1,152-	32- 18-B	ON4AAQ	617,464-	1954- 158-B	SM7LAZ	3,000- 50- 30-C	LY2BZA	8,960- 79- 28-C	Oceania	
LA6ZFA	139,968-	431- 81-C	ON4KST	101,928-	548- 93-B	SP5GIO/7	129,584- 522- 104-A	LY1BZB (LY2s BBF,BKF,BLA, UP2BN1,ops)	212,148- 503- 142-D	KE9ADU3	438,470- 893- 163-A
LA5RBA	129,580-	337- 95-C	ON5SV	22,860-	127- 90-B	SP8CZ	222,962- 851- 131-B	YQ1GW	1,451,584- 2201- 296-A	KG6DX	575,520- 1174- 176-A
LA9VDA	41,328-	164- 63-C	ON5WL	22,218-	161- 69-B	SP5NHM	152,888- 659- 116-B	YQ2QP	5,248- 41- 32-C	KH2D	307,764- 744- 103-C
LA2XPA	267,132-	591- 113-C	ON5GL	249,288-	608- 102-C	SP9ZHR (SP-4315-KA,op)	145,612- 327- 94-C	Y22WF	136,420- 459- 95-A	KN8E/KH3	1,641,624- 2531- 219-A
LZ2KAD	383,432-	811- 169-A	ON4KXG	22,272-	114- 48-C	SP8EMQ	36,808- 214- 86-B	Y21EM	17,010- 135- 63-B	VK2APK	267,852- 663- 101-C
LZ1HY	73,840-	309- 70-A	ON4KFM	6,612-	49- 32-C	SP8KHY	17,010- 135- 63-B	Y21AM	14,482- 39- 19-B	VK4XA	208,972- 603- 89-C
LZ1KNP (LZ1N-143,op)	2,964-	33- 26-A	ON5SKJ (ON1s KLT,KWY,NO2KH, ON4PL,ON5KI,ON8OKH, ONs 5717,6622,ops)	96,396-	554- 87-B	SP8DVP	722-	Y23GB	35,880- 138- 65-C		
LZ1W	449,648-	1432- 157-B	ON21NN	4,040-	84- 50-B	SP8NR	151,776- 405- 93-C	Y25NA	15,040- 80- 47-C	VK4KW	3,960- 45- 22-C
LZ2WM	45,600-	300- 76-B	SP1FBW (SP1s AMU,BZ,GIH,ops)	98,800-	494- 100-B	N6TU/SV	49,434- 176- 77-A	Y23TL	11,840- 74- 40-C	VK2MAG (+VK2XE)	263,780- 1210- 109-D
LZ1HO	360-	15- 12-B	SP21ABL	36,036-	209- 77-A	SP8MJ	28,200- 141- 50-C	Y202C	44,400- 300- 74-B	YB3ASQ	284,648- 731- 161-A
LZ2HD	31,800-	178- 50-C	SP21ADM	189,440-	740- 128-B	SP1PW (SP1s AMU,BZ,GIH,ops)	98,880-	432- 103-D	Y202BN	28,836- 162- 89-B	
LZ1KAZ (LZ1s CW,NG,E-289 ops)	781,336-	125- 202-D	SP21FMO	8,400-	84- 50-B	N6TU/SV	49,434- 176- 77-A	Y21CN	157,529- 1176- 123-C	YB8INU	37,350- 218- 75-A
LZ2KRT (+ops)	70,044-	449- 78-D	SP21ASP	5,616-	78- 36-B	SP9AHZ	83,664- 504- 83-B	Y21EM	50,800- 222- 75-A	YC3OSE	33,356- 269- 62-B
OE1GOU	13,362-	131- 51-B	SP24VW	2,100-	35- 30-B	SP9GE9	1,482- 39- 19-B	Y22DO	43,746- 226- 69-A	YC2OK	13,500- 135- 50-B
OE6IMD	161,880-	426- 95-C	SP27DX	2,048-	32- 32-B	SP9BAI	155,400- 516- 75-C	Y22EK	155,226- 631- 123-B	YC2BKJ	8,772- 102- 43-B
OE5DIN	29,784-	146- 51-C	SP21OC	229,296-	592- 102-C	SP7SDS	22,800- 100- 57-C	Y22WF	136,420- 459- 95-A	YB6ZAJ	45,240- 203- 58-C
OE3HCS	10,944-	72- 38-C	SP24UN	173,824-	448- 97-C	RA3OR	428,244- 1174- 127-A	Y23BGA	52,080- 229- 60-C		
OH7EU	265,016-	705- 157-A	SP21QH	84,656-	286- 74-C	UAB8AM	152,600- 463- 109-A	Y23PPY	30,968- 158- 49-C		
OH1AA	212,550-	791- 109-A	SP23PE	84,208-	277- 76-C	RA4VA	81,938- 346- 72-A	Y24RM	413,416- 1667- 124-B		
OH1MIE	251,170-	707- 125-B	SP28E	6,944-	56- 31-C	U2C2J	10,080- 120- 42-B	Y24X	17,442- 32- 21-B		
OH1IMA	213,484-	1007- 106-B	SP22E	2,856-	34- 21-C	RA4NC	131,670- 627- 105-B	Y24TT	200,208- 582- 86-C		
OH8NEV	160,400-	802- 100-B	SP21OC	17,712-	107- 54-A	RA4ROT	101,658- 524- 97-B	Y25BW	15,444- 99- 39-C		
OH3MMH	60,724-	323- 94-B	SP24UN	230,480-	499- 115-C	UAB8R	51,522- 277- 93-B	Y25BA	5,832- 54- 27-C		
OH1BOI	53,148-	309- 86-B	SP23GQ	136,794-	428- 83-C	RA4VLP	23,684- 232- 51-B	Y26JW	724,176- 1248- 214-A		
OH4NQJ	32,330-	265- 61-B	SP28NA	66,652-	247- 87-C	UAB8E	42,952- 162- 52-C	Y27AV	607,600- 1009- 196-A		
OH6SU	19,992-	204- 49-B	SP23BT	25,960-	392- 114-B	RA4AM	23,002- 217- 53-B	Y27FS	165,236- 476- 126-A		
OH4MCV	19,584-	144- 68-B	SP20DU	40,280-	212- 95-B	UAB8D	42,656- 172- 52-C	Y27TF	86,772- 319- 86-A		
OH6NIO	315,840-	760- 105-C	SP28NH	14,300-	130- 55-B	UAB8C	39,000- 137- 75-C	Y27KM	17,460- 113- 45-A		
OH3JF	216,712-	526- 103-C	PA0KDF	4,104-	57- 36-B	UAB8P	5,360- 67- 40-B	Y28RM	413,416- 1667- 124-B		
OH7SQ	135,320-	392- 85-C	PA0DDM	338-	13- 13-B	UAB8G	107,900- 250- 72-C	Y28JW	141,330- 673- 105-B		
OH2EJ	73,628-	233- 79-C	PA0LOU	230,480-	499- 115-C	RA4ICJ	72,000- 250- 66-C	Y29MA	724,176- 1248- 214-A		
OH3NM	55,552-	224- 62-C	PA0BQG	136,794-	428- 83-C	UAB8O	56,508- 223- 66-C	Y29AV	607,600- 1009- 196-A		
OH6NPV	53,172-	210- 63-C	PA0DNA	66,652-	247- 87-C	RA4VTP	165,236- 476- 126-A	Y29FS	163,220- 367- 107-C		
OH1NSL	30,144-	157- 48-C	PA0BNT	25,960-	110- 59-C	UAB8T	86,772- 319- 86-A	Y30HR (+YT3EW/YU3BQ)	1,417,612- 1820- 257-D		
OH2YL	15,824-	91- 43-C	PA0UV	21,056-	112- 47-C	UAB8U	13,750- 113- 45-A	Y30HF	559,454- 1456- 223-D		
OH7NW	14,260-	116- 31-C	PA0BNU	10,608-	79- 34-C	UAB8V	14,980- 161- 35-A	Y31B	674,510- 1244- 185-D		
OH2RL	3,456-	36- 24-C	PA3EPN (PA0AAC,PD0PNK,ops)	6,272-	54- 28-C	UAB8W	33,534- 243- 69-D	4U1ITU (AA4V,op)	644,840- 1260- 196-A		
OH5FA	896-	16- 14-C	PA3EPN (PA0AAC,PD0PNK,ops)	1,062,490-	1706- 228-D	UAB8X	730,593- 1364- 133- C	Y32JH	299,220- 579- 110-C		
OH1AF (OH1s EH,HS,NOA,NSJ,ops)	1,230,504-	1871- 237-D	PA1HTH (PA2WU,PA3CEF,CZL,EKK, FGI,PA0VJ,PE1BBI,IM8,ops)	849,408-	1587- 224-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	30,744- 549- 28-D	Y32SU	163,184- 464- 89-C		
OK2PAY	510,570-	903- 183-A	PA3ACA (PA3 ALP,DMH,ELX,ERC, EXP,ops)	505,284-	1599- 158-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	690,000- 1590- 181-D	Y32UR	163,184- 464- 89-C		
OK2VX	99,632-	298- 49-A	PA3ACB (PA3 ATA,AWH,ENO,PA0Ps)	519,546-	1496- 131-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	175,140- 395- 139-A	Y32VS	165,236- 476- 126-A		
OK1KT	91,718-	250- 121-A	PM4DEC (PA3s ATA,AWH,ENO,PA0Ps)	505,284-	1599- 158-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	92,880- 367- 72-A	Y32WF	86,772- 319- 86-A		
OK1DXW	62,090-	300- 90-A	BOE,TKU,ops)	519,546-	1496- 131-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	52,992- 204- 64-A	Y32X	17,460- 113- 45-A		
OK1KZ	74,382-	343- 77-A	PA3DWD (+PA3FLS,PA0KOR)	505,284-	1599- 158-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	39,832- 1488- 132-B	Y33HR (+YT3EW/YU3BQ)	145,620- 1820- 257-D		
OK3CAP	74,096-	421- 88-A	PA3ESQ (+PA3EKA,PA1M1Q)	143,200-	713- 100-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	127,922- 621- 103-B	Y33JH	145,620- 1820- 257-D		
OK1MGW	45,698-	187- 73-A	PA3AQL (PA3s DMO,DMR)	47,874-	259- 79-D	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	62,984- 451- 92-B	Y34B	145,620- 1820- 257-D		
OK3CTX	29,784-	150- 51-A	PA3MOL (PA3 COL,PA0KOR)	701,220-	1291- 195-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	1,450- 29- 27-B	Y34FSR	1,042,888- 3386- 154-B		
OK3CFA	321,646-	1157- 139-B	PA3MOL (PA3 COL,PA0KOR)	172,286-	673- 128-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	1,260- 30- 21-B	Y34HIB	13,970- 100- 55-A		
OK2BHM	34,128-	237- 72-B	PA3MOL (PA3 COL,PA0KOR)	59,860-	221- 82-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	21,840- 140- 39-C	Y34HMF	145,620- 1820- 257-D		
OK2PCL	15,300-	150- 51-B	PA3MOL (PA3 COL,PA0KOR)	49,364-	287- 86-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	15,072- 158- 24-C	Y34HRC	1,042,888- 3386- 154-B		
OK2SPJ	11,128-	107- 52-B	PA3MOL (PA3 COL,PA0KOR)	24,948-	162- 77-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	13,558- 176- 36-C	Y34HRC	145,620- 1820- 257-D		
OK1DXL	7,752-	76- 51-B	SK0LM	701,220-	1291- 195-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	11,932- 93- 31-C	Y34HRC	145,620- 1820- 257-D		
OK1KQ	4,760-	70- 34-B	SM5IMO	172,286-	673- 128-A	UZ2FWF (UA2s FC,FEA,FI,FM, FZ,RA2IA,ops)	1,450- 29- 27-B	Y34HRC	145,620- 1820- 257-D		
OK3YK	4,352-	64- 34-B	SM3CER	22,608-	157- 72-B	UZ3WA	173,000- 1032- 120-D	Y34HRC	145,620- 1820- 257-D		
OK1ADS	43,092-	175- 63-C	SM4HEJ	21,816-	132- 69-B	UZ3WA	247,680- 1032- 120-D	Y34HRC	145,620- 1820- 257-D		
OK1TW	161,872-	421- 108-C	SM5DAC	49,364-	287- 86-A	UZ3WA	150,972- 1032- 120-D	Y34HRC	145,620- 1820- 257-D		
OK3YCA	87,360-	272- 90-C	SM4RMH	14,948-	162- 77-A	UZ3WA					

W

**Connecticut**

K1TN	704,264- 1003- 212-A
K1YRP	629,300- 1016- 203-A
W1WEF	152,400- 500- 127-A
NF1J	98,748- 298- 117-A
NH1L	12,833- 75- 38-A
K1NCD	900- 24- 18-A
KC8PE	368,300- 1765- 110-B
K1AMXZ	41,760- 261- 80-B
N1FST/T	33,894- 269- 63-B
WB8IMY/1	15,120- 135- 56-B
KC1MB	13,416- 156- 43-B
WA3VIL	4,760- 68- 35-B
K1A1ZN	2,720- 40- 34-B
K1XA	802,880- 1544- 130-C
K2SX/1	498,000- 992- 125-C
N4XR	66,300- 221- 75-C
W1HUE	53,976- 171- 78-C
W1CNU	33,912- 157- 54-C
W1VH	26,800- 133- 50-C
AB1U	21,824- 124- 44-C
K1QDC/N	1,440- 15- 12-C
K1SSN (KA1DHY,N6CY,WB7EZQ,ops)	670,938- 1387- 201-D
WA1STO (+ NJ2L)	579,204- 1061- 186-D
KB1I (+ WA1HYN)	431,828- 1026- 178-D
KA1QAS (+ K1CJP,K1ATM)	265,736- 714- 143-D
W1ORS (K1TMW,K1ARQA,ops)	13,500- 116- 54-D

**Eastern Massachusetts**

KQ1V	633,270- 1191- 209-A
KA1MX	160,950- 398- 145-A
WB2DND	109,778- 365- 131-A
N1FIO	64,824- 246- 111-A
N1ZD	13,200- 80- 50-A
N1EDM	11,300- 86- 50-A
AD1C	11,224- 65- 46-A
WA1PLK	8,664- 91- 38-A
N1GYV/T	6,728- 59- 29-A
KA1GG	682,370- 235- 145-B
NK1F	663,234- 2319- 143-B
AB1A	161,952- 723- 112-B
W1KRS	111,996- 459- 122-B
WA1ML	50,630- 305- 83-B
N1FY2	17,400- 150- 58-B
KA1AMR	9,360- 117- 40-B
K1CLN	5,642- 91- 31-B
W1LUG	2,460- 41- 30-B
K5MA/1	227,600- 506- 100-C
W1PL	215,340- 485- 111-C
N1FKQ	178,704- 436- 102-C
KT1O	169,228- 492- 96-C
W1FM	92,204- 340- 89-C
KR1B	82,720- 238- 88-C
W1AX	75,520- 236- 80-C
K1IJU	43,032- 163- 66-C
KA1HI	27,800- 131- 50-C
KB1VL	8,980- 79- 28-C
KA1K (+ AB1X,KG1V)	1,249,204- 1623- 242-D
NC1M (+ KA1PHA)	546,840- 906- 196-D
K1ZZJ (+ KA1s COD,PES,KA1KA, N1EHX,NQ1F,NI1X,ZN1K1K2TGX, NL7FQ)	151,616- 551- 103-D

**Maine**

N1ATO	694,408- 2428- 143-B
NY1E	275,888- 1094- 126-B
KA1DZP	44,544- 256- 87-B
N1AHG	36,380- 214- 85-B
N1GNNT	19,750- 125- 79-B
KA1EAP	16,758- 147- 57-B
W9KDR/V1	130,376- 383- 86-C
KA1SSU/T	71,820- 342- 105-C
N1AFC	23,552- 128- 46-C

**New Hampshire**

KT1H	14,026- 100- 58-A
KA1LMR	4,332- 53- 38-A
NB1H	740,888- 2503- 148-B
AF1T	163,040- 715- 128-B
NE1K	6,980- 87- 40-B
K1DG (KD2SX,op)	901,840- 1863- 140-C
NX1H	676,368- 1342- 126-C
AK1L (+ KA1X)	211,752- 819- 102-D
N1EHB/T (+ N1ELU)	9,800- 140- 35-D

**Rhode Island**

KB1EM	376,648- 917- 178-A
W1RFQ	86,112- 205- 138-A
KING (K1G,op)	1,068,850- 3111- 175-B
KA1UQ/N	118,976- 567- 88-B
KC1JR	21,472- 176- 61-B
KC1RL	1,134- 27- 21-B
KM1X	516,000- 1067- 120-C
N1SW	489,732- 1101- 111-C
K2MN	29,264- 124- 59-C
N1EEU (KA1TPS,K5EPF,ops)	58,060- 263- 80-D

**Vermont**

NW1N	85,500- 379- 95-A
WB1GQR (WB2JSJ,op)	763,392- 2688- 142-B
WA1ZLD	228,492- 577- 99-C
WA1QGC	16,564- 99- 41-C
K1K	12,104- 89- 34-C
Western Massachusetts	
WA2TBA	1,020,522- 1493- 237-A
KZ1M	247,800- 781- 105-A
KA1GWO	117,802- 306- 127-C
KA1SPOT	54,236- 298- 91-B
WS7O/T1	31,500- 210- 75-B
WB1GU/Y	17,920- 160- 56-B
N1GPV/T	16,512- 172- 48-B
N1FUS/T	16,104- 132- 61-B
KA1T	263,292- 589- 111-C

W1AUT	152,516- 419- 91-C
KY1H (+ KB1W,NJ1F,NS1M,NS1BL)	1,919,844- 2293- 274-D

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**Eastern New York**

N1CC	849,744- 1416- 216-A
KB2HUN	53,576- 317- 71-A
N2BJ	440,220- 1518- 145-B
WB2EAR	225,770- 1055- 107-B
WA2EVO	168,360- 732- 115-B
KC2OF	137,616- 564- 122-B
WG2E	134,416- 542- 124-B
K2MR	41,000- 250- 82-B
N2HOV/T	28,950- 193- 75-B
N2HTT	10,848- 113- 48-B
KD2YO	4,608- 72- 32-B
KE2OC	1,480- 37- 20-B
WB2Q	1,009,000- 1741- 157-C
KF2O	243,168- 591- 102-C
WB2RD	58,144- 184- 79-C
W2FUI	45,500- 175- 85-C
K2S	29,412- 171- 43-C
K2NP	21,828- 107- 51-C
K2S	2,160- 27- 18-C

Maryland-DC

K3O	1,414,776- 2270- 233-A
K3SA	199,784- 502- 113-A
K3YDX	109,956- 383- 119-A
K4CGY	77,456- 375- 103-A
WB3SHRU	67,846- 326- 80-A
W3HVM	32,092- 147- 71-A
WA3KZ	18,368- 121- 41-A
K3LKQ	5,024- 57- 36-A
N3AOE	235,290- 103- 115-B
WA3EEE	157,320- 600- 114-B
N3II	90,736- 424- 107-B
N3CBJ	73,776- 318- 116-B
W1T2	29,400- 196- 75-B
WB2BZR	13,794- 121- 57-B
N3H0T/T	832- 26- 18-B
KE3Q	1,028,596- 1872- 137-C
N2FB	780,864- 1528- 124-C
N3CKV	269,152- 647- 104-C
KN5K	187,832- 441- 106-C
WB2EXK	140,768- 424- 83-C
K3TM	81,792- 272- 72-C
W4KM	23,362- 136- 43-C
K3YGU	535,732- 1056- 126-D
K3AA	533,000- 132- 106-D
K3AQ (K3NN,NA3,NA3,KA3,EHZ,TE,NA3,WB3JZK)	425,940- 944- 186-D

NYC-Long Island

NM2C	87,360- 270- 120-A
WB2MT	79,184- 230- 101-A
KH2VN	37,488- 159- 71-A
K2ARS/JT	27,170- 170- 71-A
K3P	15,500- 100- 98-B
WB2PWR	134,136- 821- 108-B
N2FF	95,904- 432- 111-B
WB2MOY	86,016- 384- 112-B
WA2SVT	76,128- 366- 104-B
WB2D	60,352- 226- 92-B
WA2BM	55,510- 205- 91-B
WA2JL	41,652- 224- 89-B
K2UJ/JT	16,992- 144- 59-B
WB2J	10,400- 113- 55-B
WB2U	10,200- 100- 55-B
WB2JW	10,160- 92- 55-B
WB2JZ	10,112- 83- 55-B
WB2J	10,000- 73- 55-B
WB2J	9,900- 64- 55-B
WB2J	9,800- 54- 55-B
WB2J	9,700- 44- 55-B
WB2J	9,600- 34- 55-B
WB2J	9,500- 24- 55-B
WB2J	9,400- 14- 55-B
WB2J	9,300- 4- 55-B
WB2J	9,200- 4- 55-B
WB2J	9,100- 4- 55-B
WB2J	9,000- 4- 55-B
WB2J	8,900- 4- 55-B
WB2J	8,800- 4- 55-B
WB2J	8,700- 4- 55-B
WB2J	8,600- 4- 55-B
WB2J	8,500- 4- 55-B
WB2J	8,400- 4- 55-B
WB2J	8,300- 4- 55-B
WB2J	8,200- 4- 55-B
WB2J	8,100- 4- 55-B
WB2J	8,000- 4- 55-B
WB2J	7,900- 4- 55-B
WB2J	7,800- 4- 55-B
WB2J	7,700- 4- 55-B
WB2J	7,600- 4- 55-B
WB2J	7,500- 4- 55-B
WB2J	7,400- 4- 55-B
WB2J	7,300- 4- 55-B
WB2J	7,200- 4- 55-B
WB2J	7,100- 4- 55-B
WB2J	7,000- 4- 55-B
WB2J	6,900- 4- 55-B
WB2J	6,800- 4- 55-B
WB2J	6,700- 4- 55-B
WB2J	6,600- 4- 55-B
WB2J	6,500- 4- 55-B
WB2J	6,400- 4- 55-B
WB2J	6,300- 4- 55-B
WB2J	6,200- 4- 55-B
WB2J	6,100- 4- 55-B
WB2J	6,000- 4- 55-B
WB2J	5,900- 4- 55-B
WB2J	5,800- 4- 55-B
WB2J	5,700- 4- 55-B
WB2J	5,600- 4- 55-B
WB2J	5,500- 4- 55-B
WB2J	5,400- 4- 55-B
WB2J	5,300- 4- 55-B
WB2J	5,200- 4- 55-B
WB2J	5,100- 4- 55-B
WB2J	5,000- 4- 55-B
WB2J	4,900- 4- 55-B
WB2J	4,800- 4- 55-B
WB2J	4,700- 4- 55-B
WB2J	4,600- 4- 55-B
WB2J	4,500- 4- 55-B
WB2J	4,400- 4- 55-B
WB2J	4,300- 4- 55-B
WB2J	4,200- 4- 55-B
WB2J	4,100- 4- 55-B
WB2J	4,000- 4- 55-B
WB2J	3,900- 4- 55-B
WB2J	3,800- 4- 55-B
WB2J	3,700- 4- 55-B
WB2J	3,600- 4- 55-B
WB2J	3,500- 4- 55-B
WB2J	3,400- 4- 55-B
WB2J	3,300- 4- 55-B
WB2J	3,200- 4- 55-B
WB2J	3,100- 4- 55-B
WB2J	3,000- 4- 55-B
WB2J	2,900- 4- 55-B
WB2J	2,800- 4- 55-B
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WB2J	2,000- 4- 55-B
WB2J	1,900- 4- 55-B
WB2J	1,800- 4- 55-B
WB2J	1,700- 4- 55-B
WB2J	1,600- 4- 55-B
WB2J	1,500- 4- 55-B
WB2J	1,400- 4- 55-B
WB2J	1,300- 4- 55-B
WB2J	1,200- 4- 55-B
WB2J	1,100- 4- 55-B
WB2J	1,000- 4- 55-B
WB2J	900- 4- 55-B
WB2J	800- 4- 55-B
WB2J	700- 4- 55-B
WB2J	600- 4- 55-B
WB2J	500- 4- 55-B
WB2J	

<b>Orange</b>		N7CKJ 36,340- 270- 71-B W1TR 32,472- 246- 66-B KA7PUB/T 12,298- 116- 53-B N7JPP/T 3,780- 70- 27-B K57V 70,720- 268- 65-C W7TJ (+ WST7) 1,213,836- 3025- 186-D W6VLD (WA6DPO) 71,894- 349- 103-B ND8HS6 14,824- 109- 68-B WA6GFR 3,100- 62- 25-B ND3F 107,256- 327- 82-C	<b>Ohio</b> N9FU 222,580- 515- 145-A K9MP 223,200- 455- 124-A W6LPH 142,104- 366- 124-A K58K 34,790- 197- 71-A W6XT 18,924- 108- 57-A AF5C 12,998- 111- 43-A WB9XG 7,998- 66- 43-A KA8PL/T 6,840- 89- 36-A WD8IFCT 2,160- 72- 15-A KW8N (N24K,op) 718,320- 2190- 164-B K9YSE 510,000- 1700- 150-B KC8JH 401,850- 1425- 141-B KA8WAS 100,970- 439- 115-B N8CW/T 75,000- 375- 100-B W8NP 44,280- 246- 90-B WD9FTZ 37,556- 229- 82-B K9RSH 23,010- 177- 65-B K8BGN 22,770- 165- 69-B KA2ZEP/T 16,384- 128- 64-B WB8TCU 14,148- 131- 54-B WA8RMZ 11,082- 118- 47-B NS8JR 8,800- 100- 44-B WA8NVW/T 5,390- 77- 35-B W8KYZ 5,145- 83- 31-B K8D8N 2,900- 50- 29-B N8JXG 1,672- 38- 22-B WD8BLD 574,592- 1071- 134-C KU8E 499,972- 1026- 121-C WB8RJT 482,978- 936- 129-C WB8AUB 104,580- 314- 83-C KS8J 88,320- 271- 80-C W8FN 75,300- 251- 75-C K8BHZ/E/N 71,538- 253- 68-C N8AGU 29,120- 140- 52-C W8QOC 24,640- 154- 40-C W8PN 16,584- 100- 41-C W8IDM 11,896- 68- 43-C W8FLX 8,024- 59- 34-C N8IKX (+ WB3KXK,N8EKE) 1,778,890- 1785- 240-D K8FO (WA3QGS,WB8IGY,WB8ISK) 806,600- 1296- 180-D K8K8J (+ W9DNIF) 265,816- 581- 149-D K8HQJ (+ WB8VW) 61,776- 351- 88-D K8AE (+ W8IYA) 40,980- 256- 80-D K7OZ 1,111,136- 1736- 208-A N1KTU 1,089,700- 3054- 170-A AD7L 243,072- 523- 144-A WA7OEM 135,926- 350- 133-A K7OZI 117,780- 361- 130-A W7IMP 97,536- 320- 128-A W7GUR 42,485- 161- 73-A WB9HZ/T 13,159- 126- 51-A K7V7T 152,844- 813- 94-B K7IO 67,894- 409- 83-B N7NTV/T 2,800- 50- 28-B WB7OMC 1,600- 40- 20-B N7ENU 381,248- 102- 92-C W7WMY 136,812- 445- 78-C KU7Z 31,296- 163- 48-C A17B (+ K7RO,KW7N,WB7RFA, WB8B) 2,024,330- 3454- 239-D K47FEF (+ KA7FEF) 71,131- 236- 83-D	<b>WD9IAB</b> 4,080- 49- 24-A K9L 560,540- 1946- 144-B WB9W 416,412- 1614- 129-B N9BSH/V 375,100- 1210- 155-B K9B9J/M/T 150,570- 717- 105-B K9C9H/M/T 137,808- 668- 103-B K9BLK/T 110,240- 530- 104-B N9SN 99,594- 503- 99-B N9CH/T 68,446- 372- 92-B N9NSN/T 64,076- 386- 83-B N9DMG 28,280- 202- 70-B N9GNO 27,776- 224- 62-B K9WTF 26,964- 214- 63-B K9RSU 12,642- 129- 49-B WB9ZRW 8,272- 94- 44-B WB9CKY 6,480- 81- 40-B WB9VZR 4,056- 52- 39-B K9BS 544,984- 1123- 121-C WB9HE 92,700- 309- 75-C K9WHE 13,984- 76- 46-C WB9KLM (KE9IS,N9HD,WB9W) 220,048- 729- 136-D 9	<b>WT8A (+ KB8ACG)</b> 46,104- 229- 68-D
<b>Pacific</b>		N9EHT 195,160- 460- 140-A AH6IM 139,230- 561- 105-A WH6I 115,540- 361- 106-A AH6IX 30,240- 154- 52-A NH6SR 103,006- 621- 83-B NH6GQ 54,840- 457- 80-B NH6HF 24,252- 123- 47-C	<b>Idaho</b> KAT7NOC 401,016- 1465- 124-A WZJZ 597,682- 2353- 127-B WA8YU 218,000- 1000- 109-B K7T7K 918,040- 1048- 104-B K7U 918,040- 1048- 104-B N7WVU 17,612- 117- 37-C K8SB 12,780- 71- 45-C N8CX3 (KJ8M,KD8JL,K8BTU,op) 1,090,792- 1766- 236-A WB8BUQ (+ KB8GL,K8VH,N8E8, WA8RUF,WB8BUQ,WB8L) 61,984- 1269- 184-D	<b>Ohio</b> K9YSE 510,000- 1700- 150-B KC8JH 401,850- 1425- 141-B KA8WAS 100,970- 439- 115-B N8CW/T 75,000- 375- 100-B W8NP 44,280- 246- 90-B WD9FTZ 37,556- 229- 82-B K9RSH 23,010- 177- 65-B K8BGN 22,770- 165- 69-B KA2ZEP/T 16,384- 128- 64-B WB8TCU 14,148- 131- 54-B WA8RMZ 11,082- 118- 47-B NS8JR 8,800- 100- 44-B WA8NVW/T 5,390- 77- 35-B W8KYZ 5,145- 83- 31-B K8D8N 2,900- 50- 29-B N8JXG 1,672- 38- 22-B WD8BLD 574,592- 1071- 134-C KU8E 499,972- 1026- 121-C WB8RJT 482,978- 936- 129-C WB8AUB 104,580- 314- 83-C KS8J 88,320- 271- 80-C W8FN 75,300- 251- 75-C K8BHZ/E/N 71,538- 253- 68-C N8AGU 29,120- 140- 52-C W8QOC 24,640- 154- 40-C W8PN 16,584- 100- 41-C W8IDM 11,896- 68- 43-C W8FLX 8,024- 59- 34-C N8IKX (+ WB3KXK,N8EKE) 1,778,890- 1785- 240-D K8FO (WA3QGS,WB8IGY,WB8ISK) 806,600- 1296- 180-D K8K8J (+ W9DNIF) 265,816- 581- 149-D K8HQJ (+ WB8VW) 61,776- 351- 88-D K8AE (+ W8IYA) 40,980- 256- 80-D K7OZ 1,111,136- 1736- 208-A N1KTU 1,089,700- 3054- 170-A AD7L 243,072- 523- 144-A WA7OEM 135,926- 350- 133-A K7OZI 117,780- 361- 130-A W7IMP 97,536- 320- 128-A W7GUR 42,485- 161- 73-A WB9HZ/T 13,159- 126- 51-A K7V7T 152,844- 813- 94-B K7IO 67,894- 409- 83-B N7NTV/T 2,800- 50- 28-B WB7OMC 1,600- 40- 20-B N7ENU 381,248- 102- 92-C W7WMY 136,812- 445- 78-C KU7Z 31,296- 163- 48-C A17B (+ K7RO,KW7N,WB7RFA, WB8B) 2,024,330- 3454- 239-D K47FEF (+ KA7FEF) 71,131- 236- 83-D	<b>North Dakota</b> WB8O 900,078- 1681- 201-A KE9OT 40,800- 408- 252- 80-A N9HJM (WB8O,op) 166,098- 893- 93-D
<b>Santa Barbara</b>		WB6AB (N6GC,op) 820,276- 1376- 199-A WA6FGV 557,752- 1136- 173-A N6NMH 406,368- 763- 166-A A8BOT 5,698- 53- 37-A N8VDR/T 25,080- 165- 78-B N8FZO 2,980- 40- 37-B WB6KYY 109,340- 350- 88-A W6TKF 94,224- 500- 78-C	<b>Montana</b> K7T7 745,290- 1528- 188-A K7C0 75,284- 448- 84-B K7C0 30,450- 175-		